Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method of dynamic re-configurable speech recognition comprising:

determining parameters of a background model and a transducer model at a periodic time during a received voice request;

~~determining parameters of a transducer model;~~

determining an adapted speech recognition model ~~for a speech recognition model~~ based on ~~at least one of~~ the background model ~~or~~ and the transducer model;

determining information in the voice request based on the adapted speech recognition model; and

~~adjusting the periodic time based, at least in part, on determined changes in sampled noise information, wherein~~

~~the adjusting of the periodic time further comprises~~ increasing the periodic time when successive changes in sampled noise information or sampled transducer information do not exceed a threshold value.

2. (Canceled)

3. (Currently Amended) The method of claim [[2]] 1, wherein,

the parameters of the background model are determined based on a first sample period; and

the parameters of the transducer model are determined based on a second sample period.

4. (Currently Amended) The method of claim [[2]] 1, further comprising:

saving at least one of the parameters of the background model or the parameters of the transducer model~~; and~~

~~determining the adapted speech recognition model based on at least one of the background model or the transducer model~~.

5. (Currently Amended) A system for dynamic re-configurable speech recognition comprising:

a background model estimation circuit for determining a background model during a voice request based on estimated background parameters determined at a periodic time during a reception of the voice request;

a transducer model estimation circuit for determining a transducer model of the voice request based on estimated transducer parameters determined at the periodic time during a reception of the voice request;

an adaptation circuit for determining an adapted speech recognition model based on a speech recognition model, ~~and at least one of~~ the background model ~~or~~ and the transducer model; and

a controller adapted to ~~adjust the periodic time based, at least in part, on determined changes in sampled noise information, wherein~~

~~the controller is further adapted to~~ increase the periodic time when successive changes in sampled noise information or sampled transducer information do not exceed a threshold value.

6. (Previously Presented) The system of claim 5, wherein, the controller periodically activates the background model estimation circuit and the transducer model estimation circuit.

7. (Original) The system of claim 6, wherein,

the background model is determined based on a first sample period; and

the transducer model is determined based on a second sample period.

8. (Currently Amended) The system of claim 6, wherein the controller saves at least one of the background model or the transducer model into storage~~; and wherein the adapted speech recognition model is based on at least one of the background model or the transducer model~~.

9. (Currently Amended) A carrier wave encoded to transmit a control program usable for dynamic re-configurable speech recognition to a device for executing the control program, the control program comprising:

instructions for determining parameters of a background model and a transducer model at a periodic time during a received voice request;

~~instructions for determining parameters of a transducer model;~~

instructions for determining an adapted speech recognition model ~~for a speech recognition model~~ based on ~~at least one of~~ the background model ~~or~~ and the transducer model;

instructions for determining information in the voice request based on the adapted speech recognition model; and

~~instructions for adjusting the periodic time based, at least in part, on determined changes in sampled noise information, wherein~~

~~the instructions for adjusting the periodic time further comprise~~ instructions for increasing the periodic time when successive changes in sampled noise information or successive transducer information do not exceed a threshold value.

10. (Canceled)

11. (Currently Amended) The carrier wave of claim [[10]] 9, wherein,

the background model is determined based on a first sample period; and

the transducer model is determined based on a second sample period.

12. (Currently Amended) The carrier wave of claim [[10]] 9, further comprising:

instructions for saving at least one of the background model or the transducer model~~;~~

~~instructions for determining the adapted speech recognition model based on at least one of the background model or the transducer model~~.

13. (Currently Amended) A computer readable storage medium comprising:

computer readable program code embodied on a computer readable storage medium, said computer readable program code usable to program a computer to perform a method for dynamic re-configurable speech recognition comprising:

determining parameters of a background model and a transducer model at a periodic time during a received voice request;

~~determining parameters of a transducer model;~~

determining an adapted speech recognition model ~~for a speech recognition model~~ based on ~~at least one of~~ the background model ~~or~~ and the transducer model;

determining information in the voice request based on the adapted speech recognition model; and

~~adjusting the periodic time based, at least in part, on determined changes in sampled noise information, wherein~~

~~the adjusting of the periodic time further comprises~~ increasing the periodic time when successive changes in sampled noise information or sampled transducer information do not exceed a threshold value.

14. (Currently Amended) A method of dynamic re-configurable speech recognition comprising:

periodically determining user specific parameters of a background model and a transducer model at periodic time periods during a received voice request;

~~periodically determining user specific parameters of a transducer model;~~

determining an adapted speech recognition model ~~for a speech recognition model~~ based on ~~at least one of~~ the background model ~~or~~ and the transducer model;

determining information in the voice request based on the adapted speech recognition model; and

increasing the periodic time when successive changes in the user specific parameters of the background model or the transducer model do not exceed a threshold value.

15. (Canceled)

16. (Currently Amended) The method of claim 1, wherein determining parameters of a background model and a transducer model at a periodic time during a received voice request further comprises periodic sampling during periods of speech inactivity while receiving the voice request.

17-20. (Canceled)

21. (Currently Amended) The method of claim 1, ~~wherein adjusting the periodic time based, at least in part, on determined changes of the parameters of the background model~~ further ~~comprises~~ comprising:

dynamically determining the periodic time based, at least in part, on a frequency or a magnitude of determined changes in the sampled noise information.

22-23. (Canceled)

24. (Previously Presented) The system of claim 5, wherein the controller is further adapted to adjust the periodic time based, at least in part, on a frequency or a magnitude of determined changes in successively sampled ones of the noise information.